

D. ( )		Data Matrix	EDAD N. /E'' O	1 1 74405 5	5
Date: August 20, 2020  Applicant's/Registrant's Name and Address: Geo Logic Corporation P.O. Box 3091 Tequesta, FL 33469			EPA Reg. No./File Syn Product Name: EAC™ Oxytetracycline		Page 1 of 8
Ingredients: O	xytetracycline Hydrochloride (CAS No. 2058-46-0)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
158.310: Proc	luct Chemistry Data Requirements				
830.1550	Product Identity and Composition	45843001	Geo Logic Corp.	OWN	
830.1600	Description of Materials used to Produce the Product	45843001	Geo Logic Corp.	OWN	
830.1620	Description of Production Process	45843001	Geo Logic Corp.	OWN	
830.1670	Discussion of Formation of Impurities	45843001	Geo Logic Corp.	OWN	
830.1700	Preliminary Analysis	45843002	Geo Logic Corp.	OWN	
830.1750	Certified Limits	45843002	Geo Logic Corp.	OWN	
830.1800	Enforcement Analytical Method	45843002	Geo Logic Corp.	OWN	
Physical and	Chemical Properties				
830.6302	Color	45843003	Geo Logic Corp.	OWN	
830.6303	Physical State	45843003	Geo Logic Corp.	OWN	
830.6304	Odor	45843003	Geo Logic Corp.	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions	45843003	Geo Logic Corp.	OWN	
830.6314	Oxidation/Reduction Chemical Incompatibility	1			Not required. See Endnote 1
830.6315	Flammability				Not required. See Endnote 2
830.6316	Explodability				Not required. See Endnote 3
830.6317	Storage Stability	45843003	Geo Logic Corp.	OWN	
830.6320	Corrosion Characteristics	45843003	Geo Logic Corp.	OWN	
830.7000	рН	45843003	Geo Logic Corp.	OWN	
830.7050	UV/Visible Absorption	46181301	Geo Logic Corp.	OWN	
830.7100	Viscosity				Not required. See Endnote 4
830.7200	Melting Point/Melting Range	45843003	Geo Logic Corp.	OWN	
830.7220	Boiling Point/Boiling Range				Not required. See Endnote 5
830.7300	Density/Relative Density/Bulk density	45843003	Geo Logic Corp.	OWN	
Signature:	- ome	Name an Rob Jon Authoriz		eo Logic Corp.	Date: 8/20/2020



		Data Matrix			
Date: August	20, 2020		EPA Reg. No./File Syn	nbol: 71185-5	Page 2 of 8
	egistrant's Name and Address: Geo Logic Corporation P.O. Box 3091 Tequesta, FL 33469		Product Name: EAC™ Oxytetracyclin	e Manufacturing L	Jse Product
Ingredients: O	xytetracycline Hydrochloride (CAS No. 2058-46-0)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
830.7370	Dissociation Constant in Water	45843003	Geo Logic Corp.	OWN	
830.7550	Partition Coefficient (n-octanol/water)	45843003	Geo Logic Corp.	OWN	
830.7840	Water Solubility	45843003 48943501 49727801	Geo Logic Corp.	OWN/ PER	
830.7950	Vapor Pressure 45843		Geo Logic Corp.	OWN	
158.1300: En	vironmental fate data requirements				
835.1230	Adsorption/Desorption (Batch Equilibrium)	47798306 49817502	Nufarm Americas	PER	See endnote 6
835.1240	Soil Leaching	47470801	Nufarm Americas	PER	Waived
835.2120	Hydrolysis	49591302	Nufarm Americas	PER	See endnote 6
835.2240	Photodegradation in Water	49348601	Nufarm Americas	PER	See endnote 6
835.2410	Photodegradation in Soil	47470804	Nufarm Americas	PER	Waived
835.4100	Aerobic Soil Metabolism	48602001 49727801	Nufarm Americas	PER	See Endnote 6
835.4200	Anaerobic Soil Metabolism	47678501	Nufarm Americas	PER	Waived
835.4300	Aerobic Aquatic Metabolism	47470805	Nufarm Americas	PER	Waived
835.4400	Anaerobic Aquatic Metabolism	47470805	Nufarm Americas	PER	Waived
835.6100	Terrestrial Field Dissipation	47470802 49951104	Nufarm Americas	PER	See Endnote 6
158.630: Eco	logical Effects: Terrestrial and aquatic nontarget orga	nisms data requ	irements		
850.1010	Aquatic Invertebrate Acute Toxicity, Freshwater Daphnids	48826501	Nufarm Americas	PER	See Endnote 7
850.1025	Oyster Acute Toxicity Test (shell deposition)	48826201	Nufarm Americas	PER	See Endnote 7
850.1035	Mysid Acute Toxicity Test	48761301	Nufarm Americas	PER	See Endnote 7

Signature:	Name and Title:	Date:
	Rob Jones	8/20/2020
	Authorized Representative for Geo Logic Corp.	



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		Data Matrix			
Date: August :			EPA Reg. No./File Sym	nbol: 71185-5	Page 3 of
Applicant's/Registrant's Name and Address: Geo Logic Corporation P.O. Box 3091 Tequesta, FL 33469			Product Name: EAC™ Oxytetracycline Manufacturing Use Product		
ngredients: O	xytetracycline Hydrochloride (CAS No. 2058-46-0)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
850.1075	Fish Acute Toxicity Test, Freshwater and Marine	48761201 48826201 48826401 48826601	Nufarm Americas	PER	See Endnote 7
850.1300	Daphnid Chronic Toxicity Test	48896901	Nufarm Americas	PER	See Endnote 7
850.1400	Mysid Chronic Toxicity Test	48826301	Nufarm Americas	PER	See Endnote 7
850.1500	Fish Life Cycle Toxicity				Not required. See Endnote 8
850.1730	Fish BCF				Not required. See Endnote 9
850.2100	Acute Avian Oral Toxicity Test	41777801	ZOETIS, Inc.	OLD	
850.2200	Acute Avian Dietary Toxicity Test	41777803 41777802	ZOETIS, Inc.	OLD	
850.2300	Avian Reproduction Test	48759701 48759501 49734201	Nufarm Americas	PER	See Endnote 7
850.3020	Honeybee Acute Contact Toxicity Test	41777804 41627308	ZOETIS, Inc. Syngenta Crop Protection, LLC	OLD OLD	
58.660: Ecol	ogical Effects: Nontarget plant protection data requ	uirements			
850.4100	Seedling Emergence	48783801	Nufarm Americas	PER	
850.4400	Aquatic Plant Toxicity	48855801	Nufarm Americas	PER	
850.5400	Algal Toxicity	48855501 48855601 48855701 48855901 48856001	Nufarm Americas	PER	
850.4150	Vegetative Vigor	48783901	Nufarm Americas	PER	
	sidue chemistry data requirements				
Signature:	ms oms	Name an Rob Jon Authoriz		eo Logic Corn	Date: 8/20/2020

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	Γ	Data Matrix			
Date: August	20, 2020		EPA Reg. No./File Syn	nbol: 71185-5	Page 4 of 8
Applicant's/Registrant's Name and Address: Geo Logic Corporation P.O. Box 3091 Tequesta, FL 33469			Product Name: EAC™ Oxytetracyclin	e Manufacturing Us	se Product
Ingredients: O	xytetracycline Hydrochloride (CAS No. 2058-46-0)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
860.1100	Chemical Identity	43583901	Geo Logic Corp.	OWN	
860.1200	Directions for Use		Geo Logic Corp.	OWN	See Label
860.1300	Nature of the Residue in Plants				Waived
860.1340	Residue Analytical Method – Citrus Fruit	4950803	Geo Logic Corp.	OWN	
860.1340	Residue Analytical Method – Apples, Pears, Peaches & Nectarines	47991601	Nufarm Americas	PER	
860.1340	Residue Analytical Enforcement Method	47976201 49750803	Geo Logic Corp.	OWN	
860.1340	Residue Analytical Method - ILV apples/peaches	47798306 48378501	Nufarm Americas	PER	
860.1340	Residue Analytical Method – ILV citrus	49750802	Geo Logic Corp.	OWN	
860.1360	Multiresidue Method				Waived
860.1380	Storage Stability Data- peaches/pears	00081151	IR-4	PUB	
860.1380	Storage Stability Data- apples	44314701	IR-4	PUB	
860.1380	Storage Stability Data – citrus	49750801 49932301	Geo Logic Corp.	OWN	
860.1500	Crop Field Trials	49750801 49932301	Geo Logic Corp.	OWN	
860.1520	Processed Food/Feed	49750801 49932301	Geo Logic Corp.	OWN	
860.1550	Proposed Tolerance	50188702	Geo Logic Corp.	OWN	
860.1560	Reasonable Grounds in Support of Petition	49750804 50188702	Geo Logic Corp.	OWN	
860 Series	Magnitude of the Residue on Walnut	TBA	IR-4	PUB	
860 Series	Magnitude of the Residue on Olive	TBA	IR-4	PUB	
158.500: Tox	cology Data Requirements				
870.1100	Acute Oral Toxicity			WAIVED	See Endnote 10
Signature:	- Mus	Name an	d Title:		Date:

**Rob Jones** 

Authorized Representative for Geo Logic Corp.

8/20/2020



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Date: August	20, 2020		EPA Reg. No./File Syr	mbol: 71185-5	Page 5 of 8
Applicant's/Registrant's Name and Address: Geo Logic Corporation P.O. Box 3091 Tequesta, FL 33469			Product Name: EAC™ Oxytetracycline Manufacturing Use Product		
Ingredients: O	xytetracycline Hydrochloride (CAS No. 2058-46-0)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
870.1200	Acute Dermal Toxicity			WAIVED	See Endnote 10
870.1300	Acute Inhalation Toxicity			WAIVED	See Endnote 10
870.2400	Acute Eye Irritation			WAIVED	See Endnote 10
870.2500	Acute Dermal Irritation			WAIVED	See Endnote 10
870.2600	Skin Sensitization			WAIVED	See Endnote 10
870.3050	Repeated Dose 28-Day Oral Toxicity in Rodents			WAIVED	See Endnote 10
870.3100	90-Day Oral Toxicity in Rodents			WAIVED	See Endnote 10
870.3150	90-Day Oral Toxicity in Nonrodents			WAIVED	See Endnote 10
870.3200	21/28-Day Dermal Toxicity			WAIVED	See Endnote 10
870.3465	90-Day Inhalation Toxicity			WAIVED	See Endnote 10
870.3700	Prenatal Developmental Toxicity Study			WAIVED	See Endnote 10
870.3800	Reproduction and Fertility Effects			WAIVED	See Endnote 10
870.4100	Chronic Toxicity			WAIVED	See Endnote 10
870.4200	Carcinogenicity – mouse			WAIVED	See Endnote 10
870.4200	Carcinogenicity – rat			WAIVED	See Endnote 10
870.4300	Combined Chronic Toxicity/Carcinogenicity			WAIVED	See Endnote 10
N/A	Chronic Exposure – Dermal – Monkey	50531601	Geo Logic Corp.	OWN	
870.5100	Bacterial Reverse Mutation Test			WAIVED	See Endnote 10
870.5300	In Vitro Mammalian Cell Gene Mutation Test			WAIVED	See Endnote 10
870.5375	In Vitro Mammalian Chromosome Aberration Test			WAIVED	See Endnote 10
870.5385	Mammalian Bone Marrow Chromosomal Aberration Test			WAIVED	See Endnote 10
870.5395	Mammalian Erythrocyte Micronucleus Test			WAIVED	See Endnote 10
870.6100	Acute Delayed Neurotoxicity – hen			WAIVED	See Endnote 10
870.6200	90-Day Neurotoxicity – rat			WAIVED	See Endnote 10
870.6300	Developmental Neurotoxicity			WAIVED	See Endnote 10
870.7485	Metabolism and Pharmacokinetics			WAIVED	See Endnote 10

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oate: August Applicant's/Re	egistrant's Name and Address: Geo Logic Corporation P.O. Box 3091 Tequesta, FL 33469		EPA Reg. No./File Syr Product Name: EAC™ Oxytetracyclin	•	Page 6 of se Product
ngredients: O	xytetracycline Hydrochloride (CAS No. 2058-46-0)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
870.7600	Dermal Penetration			WAIVED	See Endnote 10
870.7800	Immunotoxicity	48759601	Nufarm Americas	PER	See Endnote 10
lon-Guidelin					
N/A	Oxytetracycline Risk Assessment Study following the FDA Document #152 Guidance for Industry	50268804	Geo Logic Corp.	OWN	
N/A	FDA #152 Resistance Risk Assessment for Foliar Application of FireLine™ 17 WP to Citrus Crops	49750805	Geo Logic Corp.	OWN	
N/A	Benefits Discussion and Rationale Supporting the Addition of the Citrus Crop Group to the Section 3 Label for FireLine™ 17 WP	49750806	Geo Logic Corp.	OWN	
N/A	FDA #152 Resistance Risk Assessment for Foliar Applications of FireLine™ 17 WP to Apples, Pears, Peaches, and Nectarines	50188701	Geo Logic Corp.	OWN	
N/A	Benefits Discussion and Rationale Supporting the Addition of the Citrus Crop Group to the Section 3 Label for FireLlne™ 17 WP	50268801	Geo Logic Corp.	OWN	
N/A	Resistance Management Plan for FireLine™ 17 WP Bactericide for Control of Huanglongbing and Citrus Canker	50268805	Geo Logic Corp.	OWN	
N/A	Oxytetracycline: Exposure and Risk Assessments for a Proposed New Use on Walnuts and New Tolerances	51244101	AgroSource, Inc.	PER	
N/A	FDA #152 Resistance Risk Assessment for Foliar Applications of FireLine™ 45 WP (active ingredient, Oxytetracycline Hydrochloride) to Walnuts	51244102	AgroSource, Inc.	PER	
N/A	Benefits Discussion and Rationale Supporting the Addition of Walnuts to the Section 3 Label For FireLine™ 45 WP (Oxytetracycline Hydrochloride)	51244103	AgroSource, Inc.	PER	
N/A	Oxytetracycline: Exposure and Risk Assessments for a Proposed New Use on Olives and New Tolerances	51244104	AgroSource, Inc.	PER	

Authorized Representative for Geo Logic Corp.



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Date: August	20, 2020		EPA Reg. No./File Sym	bol: 71185-5	Page 7 of 8
	gistrant's Name and Address: Geo Logic Corporation P.O. Box 3091 Tequesta, FL 33469		Product Name: EAC™ Oxytetracycline	Manufacturing l	Jse Product
Ingredients: O	xytetracycline Hydrochloride (CAS No. 2058-46-0)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Notes
N/A	FDA #152 Resistance Risk Assessment for Foliar Applications of FireLine™ 45 WP (active ingredient, Oxytetracycline Hydrochloride) to Olives	51244105	AgroSource, Inc.	PER	
N/A	Benefits Discussion and Rationale Supporting the Addition of Olives to the Section 3 Label for FireLine™ 45 WP (Oxytetracycline Hydrochloride)	51244106	AgroSource, Inc.	PER	
158.400: Proc	duct Performance				
810.1000	Efficacy Studies – Citrus Canker	50268802	Geo Logic Corp.	OWN	
810.1000	Efficacy Studies – Huanglongbing in Citrus	50268803 50268806	Geo Logic Corp.	OWN	
Task Force D					
	The following companies are listed on EPA's Data Submitters list as of October 1, 2018	Company Number	Task Force Name		
	Cite-All under Selective Method utilized by Geo Logic Corp.	66607	Spray Drift Task Force	PAY	
	Cite-All under Selective Method utilized by Geo Logic Corp.	71754	Outdoor Residential Exposure Task Force	PAY	
	Cite-All under Selective Method utilized by Geo Logic Corp.	71755	Agricultural Reentry Task Force	PAY	
	Cite-All under Selective Method utilized by Geo Logic Corp.	75234	Agricultural Handler Exposure Task Force	PAY	
	Cite-All under Selective Method utilized by Geo Logic Corp.	84653	Generic Endangered Species Task Force	PAY	
	Cite-All under Selective Method utilized by Geo Logic Corp.	83162	Antimicrobial Exposure Assessment Task Force	PAY	

Signature:	Name and Title:	Date:
	Rob Jones	8/20/2020
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			Data Matrix			
Date: August 20, 2020			EPA Reg. No./File Syr	nbol: 71185-5	Page 8 of 8	
Applicant's/Registrant's Name and Address: Geo Logic Corporation P.O. Box 3091 Tequesta, FL 33469			Product Name: EAC™ Oxytetracycline Manufacturing Use Product			
Ingredients: Ox	kytetracycline Hydrochloride (C	CAS No. 2058-46-0)				
Guideline Reference Number	Guideline S	Study Name	MRID Number	Submitter	Status	Notes

- 1 830.6314 Not applicable since the product does not contain oxidizing agent.
- 2 830.6315 Not applicable since the product does not contain combustible liquids.
- 3 830.6316 Not applicable since the product is not potentially explosive.
- 4 830.7100 Not applicable since the product is not a liquid at room temperature.
- 5 830.7220 Not applicable since the product is solid at room temperature.
- 6 835.1230, 835.2120, 835.2240, 835.2410, 835.4100, 835.4200, 835.4300, 835.4400, 835.6100 Studies for these data requirements submitted by Nufarm Americas and listed on this data matrix as per data compensation agreement between Geo Logic Corp. and Nufarm Americas, signed June 10, 2015.
- 7 850.1010, 850.1025, 850.1035, 850.1075, 850.1300, 850.1400, 850.2300 Studies for these data requirements submitted by Nufarm Americas and listed on this data matrix as per data compensation agreement between Geo Logic Corp. and Nufarm Americas, signed June 10, 2015.
- 8 850.1500 Not required since the product has low toxicity to fish.
- 9 850.1730 Not required because the optimal partition coefficient in water for the product is < 1000.
- 10 870.1100, 870.1200, 870.1300, 870.2400, 870.2500, 870.2600, 870.3050, 870.3100, 870.3150, 870.3200, 870.3465, 870.3700, 870.3800, 870.4100, 870.4200, 870.5100, 870.5300, 870.5375, 870.5385, 870.5395, 870.6100, 870.6200, 870.6300, 870.7485, 870.7600 These data requirements have been waived by EPA:
  - EPA Pesticide Fact Sheet 12/88
    - http://pmep.cce.cornell.edu/profiles/fung-nemat/febuconazole-sulfur/oxytetracycline/fung-prof-oxytetracycline.html Oxytetracycline, Toxicology Characteristics:
    - "Oxytetracycline has been used extensively for over 37 years in animals and in man ... As a result of its human drug use, there is an extensive body of toxicological data available on oxytetracycline. Thus, all toxicological data requirements have been waived."
  - Health Effects Division (HED) Scoping Document for Registration Review, Oxytetracycline/Oxytetracycline Hydrochloride/Calcium Oxytetracycline, Sept. 12, 2008. <a href="http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2008-0686-0005">http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2008-0686-0005</a>
     Data Requirements, Toxicity:
    - "The toxicity database for oxytetracycline is adequate for the purpose of this risk assessment."

Signature:	Name and Title:	Date:
	Rob Jones	8/20/2020
0 2 0	Authorized Representative for Geo Logic Corp.	